

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

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APPLICATION NO. : 10/039324
DATED : April 25, 2006
INVENTOR(S) : Rindsberg et al.

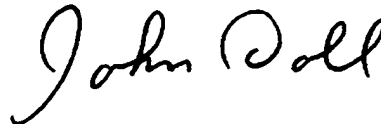
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Please replace the old existing drawings with the new illustrating drawings that are attached here.

Signed and Sealed this

Twenty-sixth Day of May, 2009

A handwritten signature in cursive script that reads "John Doll".

JOHN DOLL

Acting Director of the United States Patent and Trademark Office

(12) **United States Patent**
Rindberg et al.

(10) Patent No.: **US 7,035,628 B2**
(45) Date of Patent: **Apr. 25, 2006**

(54) **METHOD AND APPARATUS FOR CONTENT BLOCKING**

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(73) Assignee: XM Satellite Radio, Inc., Washington, DC (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 480 days.

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(51) Int. Cl.
H04M 3/00 (2006.01)

(52) U.S. Cl. 455/418; 455/419; 455/420; 348/722; 348/723; 375/221

(58) Field of Classification Search 455/419; 455/418, 420, 45, 186.1, 507, 517, 524; 358/908; 348/722, 723, 732; 375/221

See application file for complete search history.

(56) References Cited
U.S. PATENT DOCUMENTS

4,750,213 A	6/1988	Novak	455/3.01
5,819,160 A	10/1998	Foladare et al.	455/45
6,393,002 B1	5/2002	Paseth et al.	370/330
6,477,704 B1	11/2002	Cremia	725/35
6,553,077 B1	4/2003	Rindberg et al.	375/260
6,700,926 B1	3/2004	Heikkila et al.	375/221
6,748,237 B1	6/2004	Bates et al.	455/553.1
6,783,656 B1	8/2004	Patrikian et al.	704/500
6,865,373 B1	3/2005	Tong et al.	455/63.1
6,868,112 B1	3/2005	Kim et al.	375/147
2002/0055343 A1	5/2002	Stetler et al.	455/260
2003/0031455 A1	2/2003	Sagar	386/35

* cited by examiner

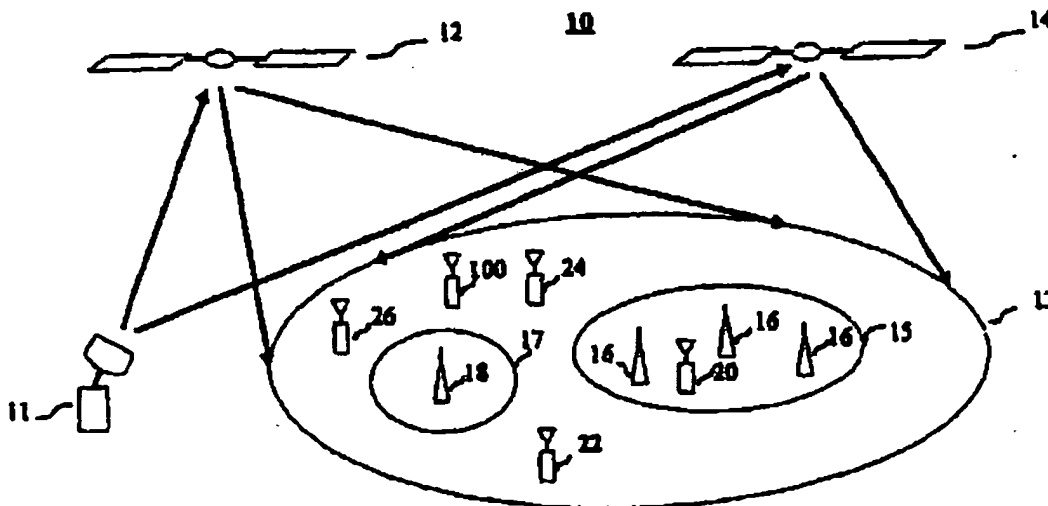
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(57) **ABSTRACT**

A method of disabling at least a portion of one of a plurality of channels in a digital audio radio system includes the steps of receiving (702) a digitally encoded bit stream over-the-air on the plurality of channels and decoding (704) a selected channel among the plurality of channels. The method further comprises the steps of selectively tagging (706) an undesired type of content on the selected channel, analyzing (708) for an indication of content of the undesired type among the plurality of channels, and selectively disabling (710) at least the portion of the selected channel containing the undesired type of content.

14 Claims, 5 Drawing Sheets



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FIG. 1

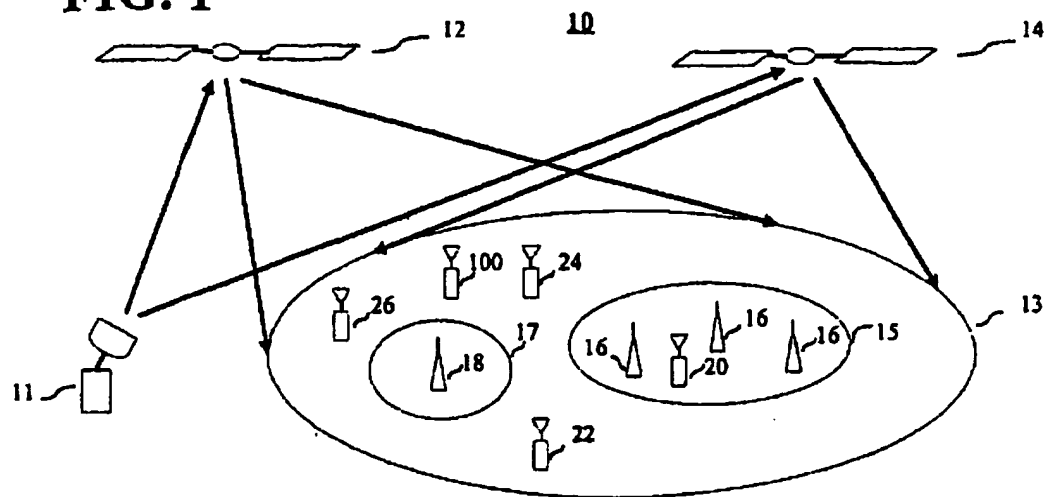


FIG. 2

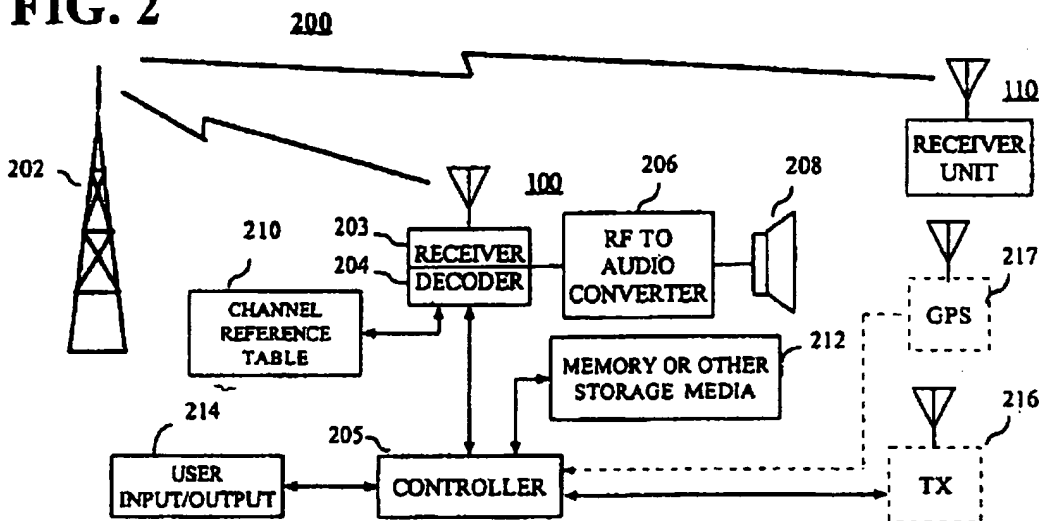
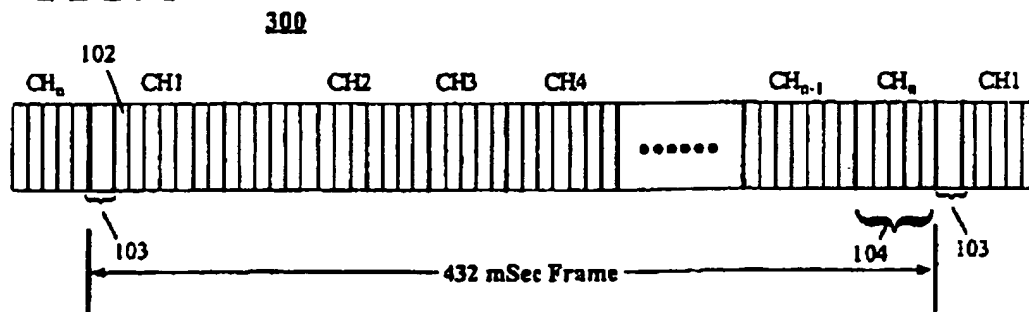


FIG. 3

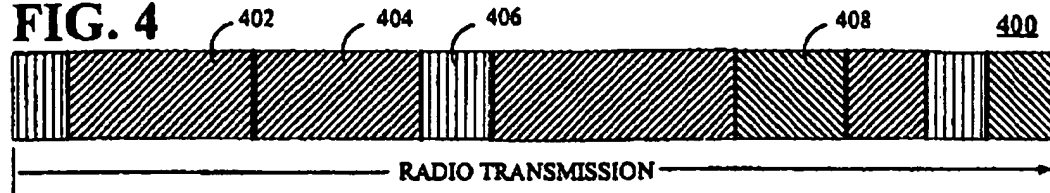
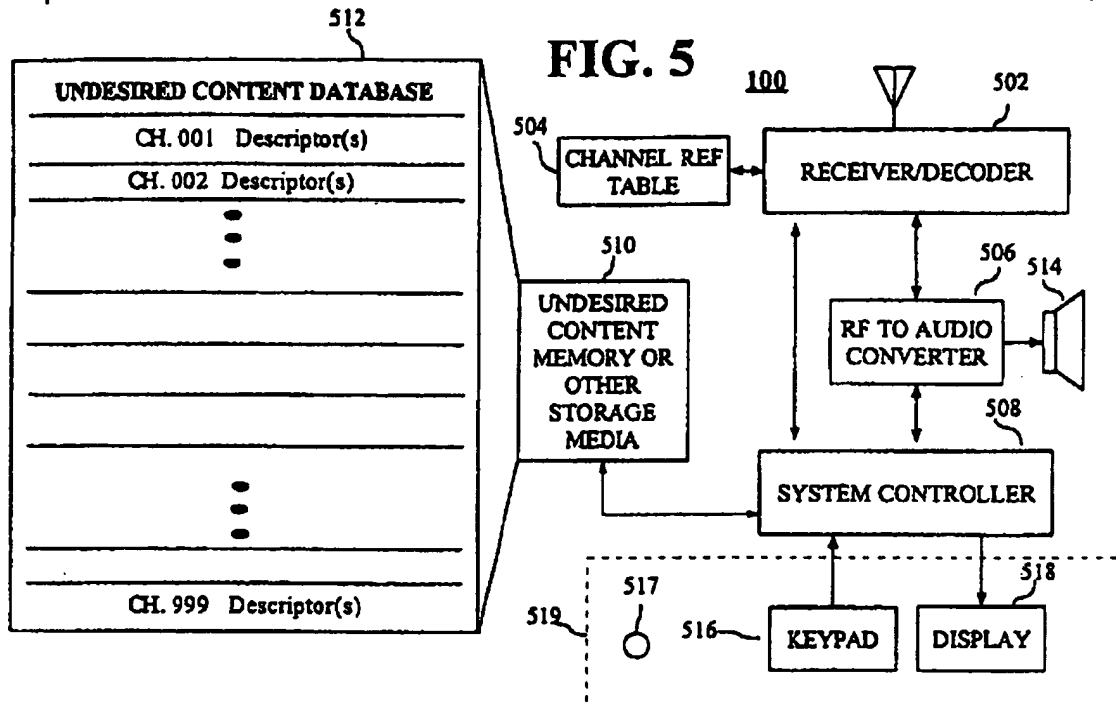


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FIG. 4**FIG. 5****FIG. 6**

504

CHANNEL	ARTIST	ALBUM	TITLE	RATING	TIER	GUEST	HOST	LOCATION
1	GERSHWIN		RHAPSODY	A	PREMIUM			EAST
2			TALKSHOW	B	BASIC	RUSH	BUSH	ALL SOUTH
3	OUTKAST		STANKONIA	D-	PREMIUM			S. Florida
4	BCH BOYS			ALL AUDS	BASIC			S. Cal
5	OLD DIRTY			ADULTS ONLY	BASIC			Don't Care
6	RAFFI		BELUGA	KIDS ONLY	BASIC			Don't Care
7	CREED		HUMAN CLA	B	BASIC			Don't Care
8			TALKSHOW	B-	BASIC	KING	OPRAH	Don't Care
9			MIA v. DC		PREMIUM		NFL	Not S. Fla.
.								
.								
.								
.	MADONNA		MUSIC	C	BASIC			

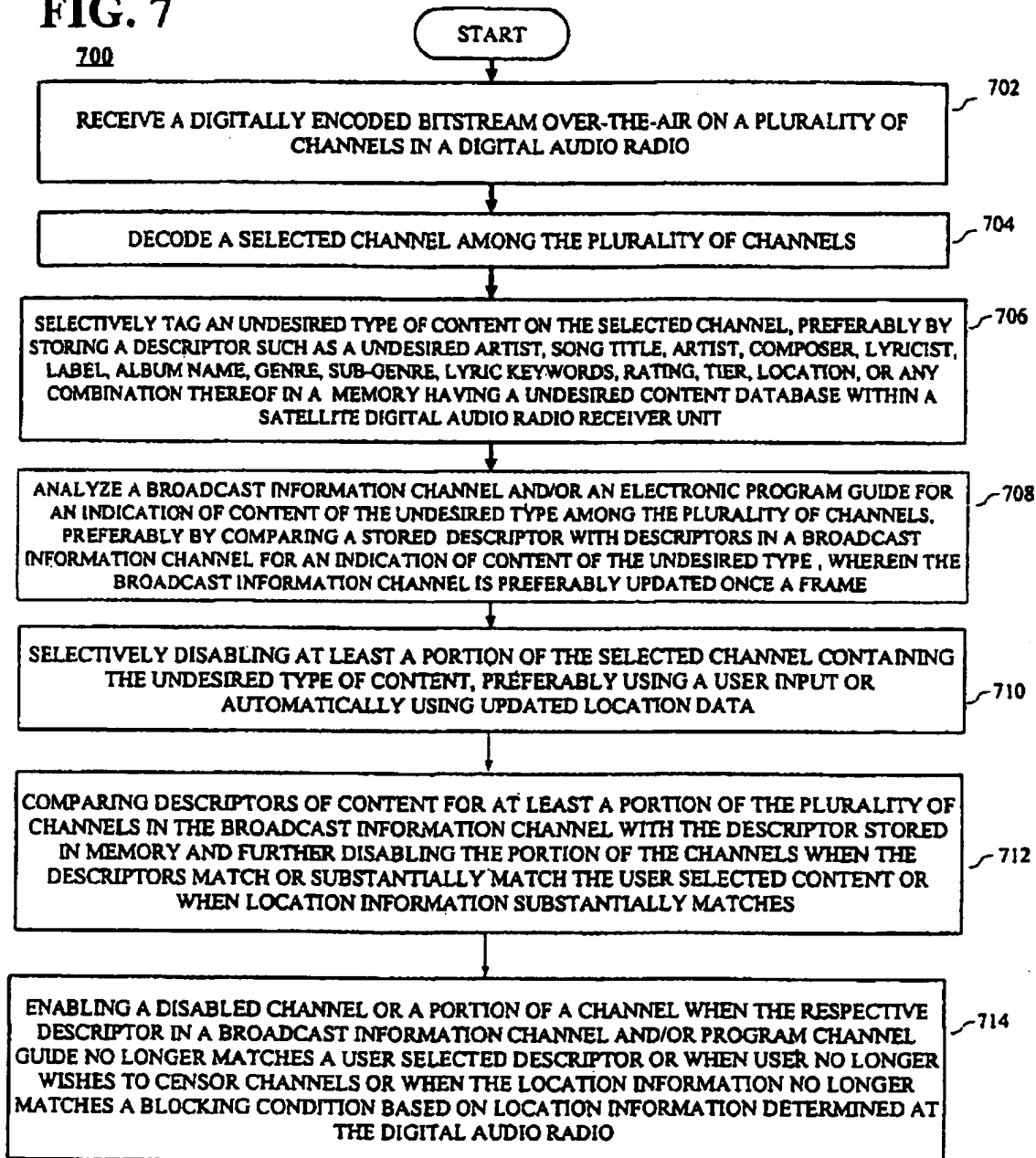
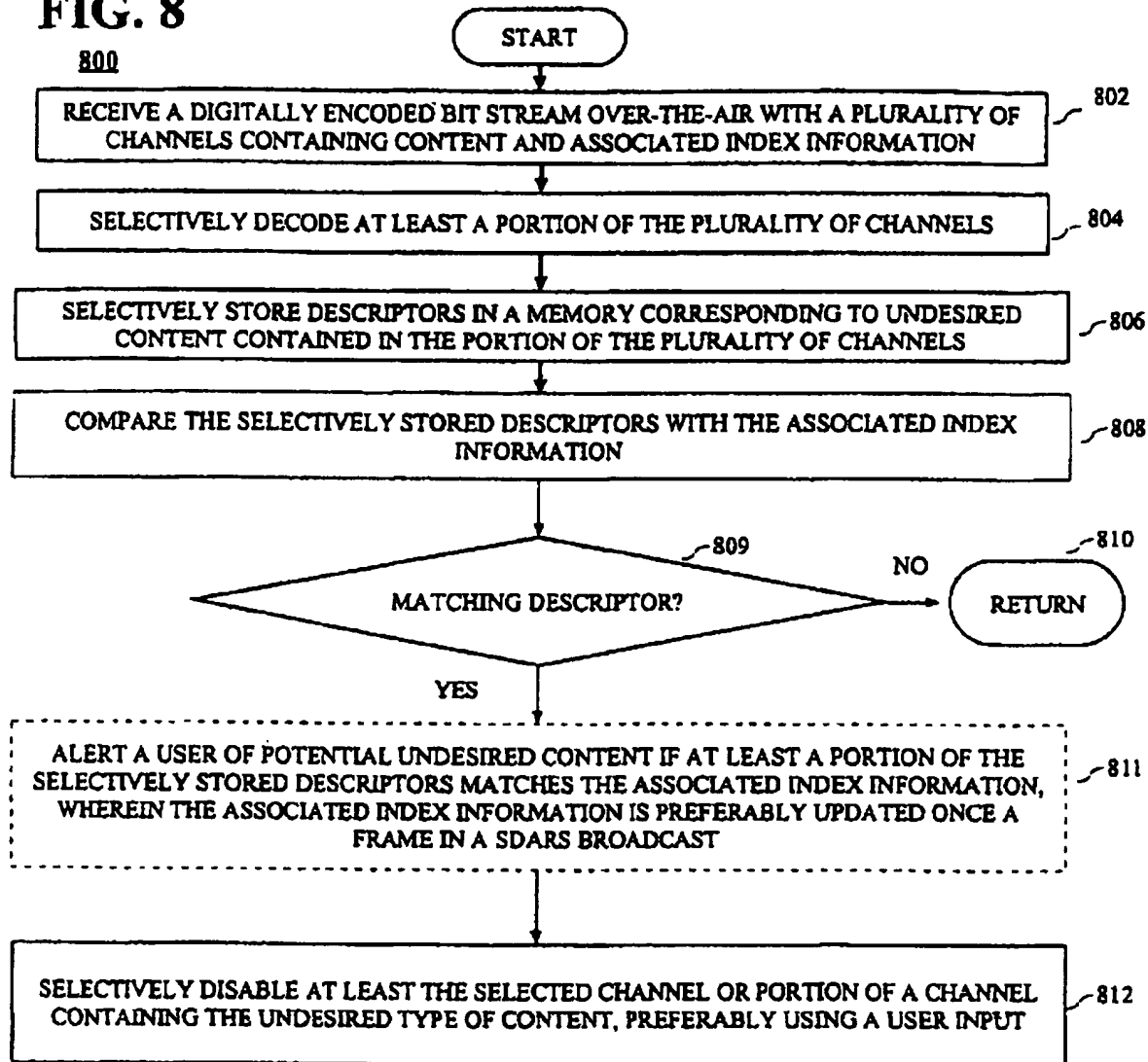
FIG. 7

FIG. 8

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FIG. 9